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<b>To:</b> Mail Stop: Amendments Commissioner for Patents Examiner Jessica T. Stultz Art Unit 2873	<b>From:</b> Walter M. Douglas
<b>CC:</b>	<b>Pages:</b> 14 Including Cover
<b>Fax No.</b> 703-872-9306	<b>Date:</b> July, 6, 2005
<b>Re:</b> US application 10/664,517 filed 9/17/03	
<b>Docket Number:</b> SP02-196	
Please contact Terri Gustin at (607) 248-1318 if all pages of this transmission are not received.	

Please find to follow cover:

9 pages Amendment  
1 copy of post card  
3 pages Amendment Accompanying Application.

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Appl. No.: 10/664,517  
Amdt. Dated: July 5, 2005  
Reply to Office Action of: April 5, 2005

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/664,517  
Applicant : Thomas P. Pearsall  
Filed : September 17, 2003  
Title : HIGH SPEED OPTICAL MONDUCULATOR

TC/A.U. : 2873  
Examiner : Jessica T. Stultz

Docket No. : SP02-196

**Response**

Mail Stop: Amendments  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

Sir:

In the Office Action dated April 5, 2005, in the above-captioned application, the Examiner issued a Restriction Requirement identifying the following groups of claims as being drawn to potentially distinct inventions:

Group I. Claims 1 – 12, claims 7 – 12 drawn to an optical signal modulator, classified in class 359, subclass 247. claims 1 – 6 are being grouped with the modulator claims since these claims can be searched together with claims 7 – 12 without any undue burden on the Examiner; and

Group II. Claims 13 & 14, drawn to an optical waveguide, classified in class 385, subclass 129.

Amendments to the Claims are reflected in the listing of claims which begins on page two (2) of this paper. (See Item 2, page 5 concerning the Preliminary Amendment filed with the application.)

Remarks/Arguments begin on page five (5) of this paper.